



**SYMPOSIUM**

**ENVIRONMENTAL EDUCATION**

*Celebrating 15 Years of Professional Development!*

**March 9-10, 2012**  
**...The Year of Outdoor Teaching!**  
**Crowne Plaza, Lafayette, LA**

**OUR ENVIRONMENT...OUR FUTURE**



**BOBBY JINDAL**  
GOVERNOR



Post Office Box 94004  
Baton Rouge, LA 70804-9004

**OFFICE OF THE GOVERNOR**

March 9, 2012

Dear Friends,

Welcome to Lafayette for the 2012 Louisiana Environmental Education Symposium. We are pleased to welcome distinguished guests, speakers, education professionals and other attendees to South Louisiana.

Environmental education plays an important role in protecting our environment for the future. This symposium is a unique opportunity to provide you, our leaders and educators, with a wealth of information and resources to carry into the classroom and into your everyday life.

The presenters and exhibitors are delighted to share their fresh ideas and enthusiasm in hopes that you will encourage our children to grow up with pride for our state and prepare them with the knowledge needed to act as good stewards of the environment. We have some of the most beautiful and diverse wetlands and natural habitats in the nation, and we must continue working to protect these assets.

As we move forward, I ask that you continue your dedication to improving Louisiana. We truly appreciate the work you do. On behalf of the state of Louisiana, I wish you a productive and enjoyable stay here in Lafayette.



Very Truly Yours,

Governor Bobby Jindal  
State of Louisiana



(225) 342-7015 ♦ Fax (225) 342-7099 ♦ [www.gov.state.la.us](http://www.gov.state.la.us)

**THE YEAR OF OUTDOOR TEACHING!**



Dear Friends and Colleagues,

I would like to take this moment to **WELCOME YOU** to the 15<sup>th</sup> Annual Louisiana Environmental Education Symposium. This year's conference will offer many opportunities for you to network with other educators, learn new information, and listen to inspiring speakers. Along with exciting short course offerings and informative concurrent sessions, you will also be able to meet with different exhibitors from various environmental organizations and agencies to learn about what they offer and the many ways they may benefit your educational endeavors.

As an educator, I realize how precious your time is. I sincerely appreciate each and every one of you taking the time to attend this conference. I would like to encourage you to take each bit of information you gain here today and pass it along to your students. My appreciation also extends to all who have worked so diligently to make this year's conference a success. Thank you to all exhibitors, presenters, committee members, sponsors, and volunteers. To our keynote speakers, Dr. Nancy Rabalais and Colonel Ed Fleming, thank you for taking your time to deliver this informative session to the participants. Last, but definitely not least, I would like to thank the Louisiana Environmental Education Commission Coordinator, Venise Ortego, and Assistant Coordinator, Juliet Raffray. Through their efforts, this conference is able to come together, providing a wonderful educational opportunity for all of you.

While you are enjoying your time at this conference, please take a moment to learn more about what the Louisiana Environmental Education Commission can offer you. You will be able to learn more about grant opportunities, as well as opportunities for students to show their creative side through the Environmental Awareness Art and Language Art Contest. Feel free to speak with a commission member for additional information or visit our booth to learn more and pick up further information.

In closing, I want to wish you a truly enjoyable and rewarding experience learning new information, meeting and working with colleagues, and gathering great materials to bring home with you. Please take advantage of all this conference has to offer you. Enjoy your time here with us.

Sincerely,

Connie Conner – LEEC Chair

## 2012 Louisiana Environmental Education Commission

Board of Regents  
Nancy Rabalais, Ph.D.

Environmental Advocacy  
Jonathan Dearbone

Industry  
Susan Testroet-Bergeron

LA Department of Agriculture & Forestry  
Wade Dubea

LA Department of Culture, Recreation, & Tourism  
Aimee Robert

LA Department of Education  
Ann Wilson

LA Department of Environmental Quality  
Vladimir A. Appeaning, Ph.D., Past Chair

LA Department of Health & Hospitals  
Gary Balsamo, DVM, Chair-Elect

LA Department of Natural Resources  
Stephen Chustz

LA Department of Wildlife & Fisheries  
Angela Capello, Secretary

LA Environmental Education Association  
Listed by Congressional Districts  
District 1 – Marie Tizzard  
District 2 – Dinah Maygarden  
District 3 – Allyn Rodriguez  
District 4 – Connie Conner, Chair  
District 5 – Mary Fuglaar  
District 6 – Dianne Lindstedt

LA Science Teachers Association  
Brenda Nixon

LSU Agricultural Center  
David Boldt

Professional Environmental Scientist  
Deepak Bhatnagar

Southern University  
Leodrey Williams, Ph.D.

Environmental Education Coordinator  
Venise Ortego

Environmental Education  
Assistant Coordinator  
Juliet Raffray

# A SPECIAL THANKS TO OUR SPONSORS!

*Platinum Sponsorship Level:*



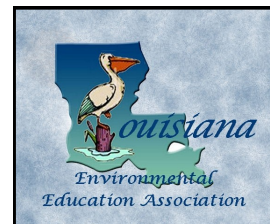
*Gold Sponsorship Level:*

**ExxonMobil**  
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***...AND OUR EVENT HOSTS!***



**LEEC**  
LOUISIANA ENVIRONMENTAL  
EDUCATION COMMISSION





## Keynote Speakers

*Addressing the 2011 mighty Mississippi River flooding event and other complexities involving river flow and how these waters affect the Gulf of Mexico, will be our keynote speakers...*



### **Colonel Edward R. Fleming**

*Commander and District Engineer, New Orleans District,  
U.S. Army Corps of Engineers*

Colonel Ed Fleming became the New Orleans District's 61st commander and district engineer in 2010. As one of the largest civil works programs, The New Orleans District includes 2,800 miles of navigable waterways – including five of the top fifteen ports in the nation, 1,300 miles of levees and floodwalls, 11 navigation locks, six major flood control structures, and other projects designed to create and protect coastal wetlands. Also under Colonel Fleming's management is the Protection and Restoration Office (PRO). PRO is part of Team New Orleans' effort to reduce risk for South Louisiana

by executing comprehensive and integrated flood control, ecosystem restoration, and hurricane and storm damage risk reduction projects. He was also the Executive Officer for the Commanding General, US Army Corps of Engineers (USACE). Colonel Fleming earned a Bachelor of Science Degree in Civil Engineering Management from the United States Military Academy, West Point, New York, a Master of Science Degree in Environmental Engineering from the University of Maryland at College Park, and a master's degree in National Security and Strategic Studies from the National War College. Colonel Fleming has received many awards and military decorations, including the Bronze Star, the Meritorious Service Medal, the Army Commendation Medal, and the Army Achievement Medal.



### **Dr. Nancy N. Rabalais**

*Executive Director and Professor,  
Louisiana Universities Marine Consortium (LUMCON)*

Nancy N. Rabalais, Ph.D., is a professor and executive director at the Louisiana Universities Marine Consortium in Cocodrie, Louisiana. Dr. Rabalais' research interests include the dynamics of hypoxic environments, interactions of large rivers with the coastal ocean, estuarine and coastal eutrophication, and science policy. She serves on the Board of Trustees for the Consortium for Ocean Leadership, the Council for the University National-Oceanographic Laboratory System, the National and Southern Associations of Marine Labs, and the Board of Directors for the Gulf of Mexico Coastal Ocean

Observing System, and is Chair of the National Sea Grant Advisory Board. Dr. Rabalais is an American Association for the Advancement of Science Fellow, an Aldo Leopold Leadership Program Fellow, Past Chair of the Ocean Studies Board, Past President of the Estuarine Research Federation, and has received several awards for the research that she and her collaborators have conducted on hypoxia in the northern Gulf of Mexico. She also serves as the Board of Regents representative on the Louisiana Environmental Education Commission. Dr. Rabalais earned her Ph.D. in Zoology from The University of Texas at Austin in 1983.





# SYMPOSIUM OVERVIEW



## **FRIDAY**

Short Course Activities

## **SATURDAY**

**7:00 AM–8:00 AM**

Registration/Check-In [Lobby]

Continental Breakfast [Esplanade Hall]

LEEA Meeting\* [Evangeline]

**7:30 AM**

Exhibit Hall Opens [Iberia/Acadia]

**8:00 AM–9:15 AM**

Concurrent Sessions

**9:15 AM–9:45 AM**

Exhibit Hall/Break

**9:45 AM–11:00 AM**

Concurrent Sessions

**11:00 AM–12:30 PM**

Lunch/Keynote Address [Madison]

**12:30 PM–1:45 PM**

Concurrent Sessions

**1:45 PM–2:15 PM**

Exhibit Hall/Break

**2:15 PM–3:30 PM**

Concurrent Sessions

*\*The Louisiana Environmental Education Association (LEEA) will hold its annual meeting in the Evangeline Room from 7:00 AM–8:00 AM. Fabulous door prizes will be given to a few lucky attendees!*

## **Friday Short Courses Sessions**

**8:30 AM–3:00 PM**

Grade Levels: 7–12

***Canoe, Explore...A Watershed Lesson and Tour!***

Presenters:

Margot Addison, Bayou Vermilion District, Outreach Ed  
Ron Boustany, NRCS Resource Conservation Specialist

**9:00 AM–3:00 PM**

Grade Levels: K–8

***Get Your ROOTS On!***

Presenters:

Dr. Pam Blanchard, Associate Professor, Science Education Director  
LSU Coastal Roots teachers

**8:30 AM–4:00 PM**

Grade Levels: 5–12

***Louisiana Coastal Wetlands — An Inside View of the Science, Technology, Engineering, and Math that Goes on Behind the Scenes***

Presenters:

Susan Testroet-Bergeron, CWPPRA Education Specialist  
Cole Ruckstuhl, Media Specialist  
Dinah Maygarden, UNO, Pontchartrain Institute for Environmental Science  
Gabrielle Boudreaux Bodin, Information Specialist

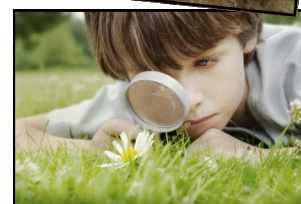
**8:30 AM–3:30 PM**

Grade Levels: K–12

***Nature Lessons in Your Schoolyard***

Presenters:

Stacey Scarce, Curator of Natural Sciences, Acadiana Park Nature Station  
Kaye Madden, Naturalist  
Stephen Saltamachia, Naturalist





# Grant Recipient Showcase

Visit the 2011 Environmental Education Research Grant recipients who will be showcasing their research projects in the Exhibit Hall.

**Metha Klock** — “Soil-borne Mechanisms of Acacia Species Invasions in California”

Invasive species are well known for their negative impacts on natural communities, but for most species the mechanisms underlying their successful establishment and spread are largely unexplained. My project aims to uncover novel insights into mechanisms driving species invasions using a suite of *Acacia* species introduced from Australia to California as model organisms. My project examines mechanisms of invasion by comparing species establishment and expansion across their native and introduced ranges, as well as comparing congeners that differ in their invasive capacity.

**Sandra Galeano** — “Community Assembly of Tropical Leaf-litter Frogs; The Role of Biotic Interactions at Local Scales”

I am studying the ecological implications that color variation of one of the most phenotypically diverse frogs known on earth can have at shaping species interactions in frog communities. Particularly I am interested in understanding whether and how populations of different colorations of this species shape the strength of interactions with other frog species in Bocas del Toro Archipelago in Panama. The results of this study will provide background information to better understand the importance of biotic interactions in shaping community assembly and also to understand how relevant the variation in one species is at shaping communities in nature.

## Buy A Plate to Educate!

Purchase Louisiana’s “ENVIRONMENTAL EDUCATION PLATE” to Educate Louisiana’s Citizens about our Environment. *Your purchase helps to fund Environmental Education grants for educators and students, the annual Environmental Education Symposium, and other programs designed to further environmental knowledge and stewardship in Louisiana.*

**Order by phone:** Call the Office of Motor Vehicles at 1-225-925-6146. Have the number of your current license plate. Ask for the Environmental Education Plate and obtain a quote, which will include a \$26\* fee.

Mail your check to:

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\*\$25 goes directly to Environmental Education programs!



**Order your plate today!**

**For More Information visit:**

[www.expresslane.org](http://www.expresslane.org)

**Order from your car dealer:** You can request an Environmental Education Plate from your car dealership upon the purchase of a new/used vehicle.



**Be sure to visit our TEACHER ACTIVITIES AREA located in the Exhibit Hall!**

*Many thanks to the following people for creating this opportunity for you:*

- Melanie Pesson, Calcasieu Parish Library Program Coordinator, recycled art teacher
- Suzanne Porche, Retired elementary level teacher and reading specialist
- Stephanie Couste, Retired kindergarten teacher and elementary school principal
- Estelle Knight, Artist



## 8:00 AM - 9:15 AM Concurrent Sessions

### Teaming with Insects

*Veronica Del Bianco, Orleans Parish 4-H*

Teaming with Insects curriculum gets young students excited about science and nature by studying everyday insects found in the classroom and schoolyard. We will explore being an entomologist through insect collecting, learning insect body parts, biodiversity, and invasive species.

Grades K-4

Hands-On Workshop

ST. LANDRY

### Nature-Booking: Techniques for Recording Observations in Nature

*Amy Ouchley & Blenda McHenry, University of Louisiana, Monroe*

In the first half of this session participants will observe a collection of natural items and use a variety of techniques like rubbings, sketching, and journaling to create "Nature-Book" pages. For the second half we will go outside to observe, record, and gather more ideas!

Grades 5-8

Hands-On Workshop

EVANGELINE

### Meeting GLE's Outside the Classroom

*Barry Guillot, Harry Hurst Middle School*

Gain some great ideas for organizing and facilitating outdoor trips for your students! Over the past 15 years the Wetland Watchers Service-Learning Project has included over 18,000 students on trips to wetland areas. Teachers will take home a handful of tried and true GLE based activities and tips for implementation!

Grades 5-8, 9-12

Hands-On Workshop

LAFAYETTE

### QR Codes in the Outdoor Classroom

*Jenny Ronquillo, Pontchartrain Elementary School*

You see them everywhere! Now, learn how to scan, make, and use QR Codes in your science classroom, in your outdoor classroom, and around your school. If you have a smart phone, make sure you bring it!

General

Exemplary Program

ST. MARY

### Outdoor Environmental Learning Opportunities for Louisiana Students

*Greg Waldron, Louisiana Department of Environmental Quality*

Get an overview of some school-based projects that the LDEQ Non-Point Source Pollution program managed and learn about LDEQ's educational sampling activities. Time permitting/upon request, I will give an overview of Non Point Source pollution and how to prevent it.

General

Lesson Demo

ST. MARTIN

## 9:15 AM - 9:45 AM Exhibit Hall/Break

- Discuss your classroom needs with **exhibitors** and walk away with LOTS of information, opportunities, and freebies!
- Make sure to visit our **teacher activities area** for some quick, take-home ideas!
- Listen to **research** students and get cutting edge information to share with your students!

IBERIA/ACADIA





## 9:45 AM - 11:00 AM Concurrent Sessions

### **Advantages of Environmental Playgrounds**

*Dr. Robin McCartney & Dr. Donna Duggar Wadsworth,  
University of Louisiana, Lafayette*

Teacher candidates from a local university completed their field experiences journalizing observations, interviewing and photographing K-5 student learners at play, and making connections to their classroom content using science standards to guide learning on their new environmental play ground.

Grades K-4  
Exemplary Program  
ST. LANDRY

### **Whooping Cranes Return to Louisiana**

*Sara Zimorski, Louisiana Department of Wildlife & Fisheries  
Marie Tizzard, Grace King HS; Sue Ellen Lyons, Holy Cross HS*

Near the brink of extinction in the 1940s, the Whooping Crane is now being reintroduced to Louisiana via an ambitious national project! Learn about Whoopers as a species, their history in Louisiana, previous reintroduction efforts, and the current project taking place in Louisiana. Take home lessons, resources, and the great big POSTER! *Surprise door prize!*

Grades 5-8; 9-12  
Hands-On Workshop  
Lesson Demo  
EVANGELINE

### **A Comparison of Chemical Testing and Probeware**

*Warren Bernard, Holy Cross School*

Taking chemicals into the field can sometimes be cumbersome, not to mention difficult to dispose of on-site when dealing with the remnants of the chemical tests. Come explore the correlation between probeware and the chemical testing methods currently in use.

Grades 9-12  
Hands-On Workshop  
LAFAYETTE

### **Air Pollutants: Their Claim to Fame; Bonus Section: RCRA-It's Solid!**

*T. Markle Farber, Louisiana Department of Environmental Quality*

Not just a lot of hot air: an entertaining (!), in-depth look at air pollutants, health effects, and origins. Also, a brief introduction to solid waste is added. Candid discussions are encouraged to analyze the science and provide pithy conversations on our environment.

Grades 9-12  
Exemplary Program  
ST. MARY

### **Native Fish in the Classroom (NFC) & WETSHOP: Exemplary Stewardship Initiatives**

*Angela Capello & MattiLynn Dantin,  
Louisiana Department of Wildlife & Fisheries*

Connect your students to outdoors via NFC: students raise native fish from eggs to fingerlings and then release at pre-selected river site. This stewardship initiative is a must-do for 6-12 graders! Or looking for ways to expand your wetlands knowledgebase? Explore maritime forest on Grand Isle, tour Port Fourchon, fish in the bay... WETSHOP is an action-packed educational experience for science/history teachers!

General  
Exemplary Program  
ST. MARTIN

## 11:00 AM - 12:30 PM Lunch/Keynote Address

**ALL PARTICIPANTS, PRESENTERS, & EXHIBITORS ARE INVITED!**

IBERIA/ACADIA



## 12:30 PM - 1:45 PM Concurrent Sessions

### **Earthworms are Easy**

*Rose Butler, Audubon Zoo*

Composting with worms is the perfect way to introduce live animals AND sustainability initiatives into your classroom! Explore how to use worms in the classroom through hands-on science activities. Also, learn how to make a simple vermicompost (worm compost) bin. This workshop is ideal for elementary educators!

Grades K-4

Hands-On Workshop

ST. LANDRY

### **Talking Trash: Marine Debris**

*Dianne Lindstedt, Louisiana Sea Grant, LSU*

Trash, marine debris, and ocean garbage patches are great for engaging students in data collection, interpretation, and stewardship. Try two activities you can set up in your school yard, collect data and compare with marine debris data from Louisiana beaches.

Grades 5-8; 9-12

Hands-On Workshop

EVANGELINE

### **Field-Based Geo-Spatial Education in Coastal Louisiana**

*Heather Egger & Dinah Maygarden,  
University of New Orleans, Pontchartrain Institute*

Recent activities of the Coastal Education Program at UNO have focused on teaching mapping skills through introduction to GIS, GPS, and remote sensing technology. We will showcase projects recently completed by high school students and you will receive a copy of our Field-based Educator's Guide to the Lake Pontchartrain Estuary.

Grades 9-12

Exemplary Program

LAFAYETTE

### **Discovering the Hidden Treasures of Louisiana**

*Paul Nagel & David Faerber, Northwestern State University*

Veteran teachers will provide hands-on strategies and lesson plans concerning GPS-Global Positioning Systems, using 21st Century tools for learning in order to enhance students' geographic understanding utilizing geocaches. Participants will learn how to search for hidden geocaches with GPS units.

General

Hands-On Workshop

Lesson Demo

ST. MARY

### **Environmental Education in the New National Science Standards Framework**

*Ann Wilson, Louisiana Department of Education*

How will the Next Generation of Science Standards vary from present standards? Participants will explore parts of the Framework to determine how environmental concepts are integrated and to consider how instruction or programs can adapt and include outdoor experiences. Participant questions will be addressed.

General

Exemplary Program

ST. MARTIN

## 1:45 PM - 2:15 PM Exhibit Hall/Break



## 2:15 PM - 3:30 PM Concurrent Sessions

### Outdoor Observations

*Monica Pasos, Audubon Zoo*

Learning observation skills is a key GLE in all of the early childhood science standards. Using nature as our classroom, we will practice using our senses to hone skills. From smell jars to looking at one square inch of grass, learn creative ways to use those skills and connect students to the natural world.

Grades K-4

Hands-On Workshop  
ST. LANDRY

### Louisiana Spider Survey: A Citizen Science Project for Your Students

*Dr. Maggie Hodge, Louisiana School for Math, Science, & the Arts*

*Dr. Steven Gabrey, Northwestern State University*

The Louisiana Spider Survey documents an important but overlooked component of Louisiana's biodiversity – spiders. Because few data regarding their distribution and abundance are currently available, development of an accurate database will depend on contributions of volunteers, or "citizen scientists." Receive information to involve classes in the survey, on spider collection techniques, identification, submission of specimens, etc.

Grades 5-8; 9-12

Hands-On Workshop  
EVANGELINE

### Explore the Earth with GeoMapApp

*Steve Babcock, LSU Laboratory Schools*

GeoMapApp is a web-based geographic and earth science data visualization tool developed by Columbia University that allows students and teachers to create custom maps, access a variety of databases, create graphs, etc. We'll show you how to get started and share resources and lesson plans that utilize this powerful program.

Grades 5-8, 9-12

Lesson Demo  
LAFAYETTE

### Tethered Exploration: Using ROV Technologies in the Classroom

*Murt Conover, LUMCON*

Attendees will learn how to teach about ocean science and the BP oil spill by using ROV technologies. You will get hands-on experience! Attendees will get to use a student designed ROV in the hotel pool!

General

Hands-On Workshop  
ST. MARY

### Free 10-day Summer Field Experience in Estuarine Environmental Education in Southeast Texas

*Dr. Jim Westgate, Lamar University*

*Jennie Knapp, Little Cypress Jr. High*

In July, 2012, Lamar University will offer a free field experience in environmental education for in-service teachers and environmental educators. Summer participants travel via vans, canoes, research vessel, and air boat. This workshop will introduce the program's activities and conduct hands-on water quality analyses.

General

Hands-On Workshop  
Exemplary Program  
ST. MARTIN

## Thank you for attending the 2012 EE SYMPOSIUM!

\*\*\* Please remember to turn in your evaluation forms! \*\*\*



# Environmental Education Grants

The Louisiana Environmental Education Commission (LEEC) annually offers environmental education grants that benefit Louisiana citizens. The deadline to submit is **March 30, 2012**. The following is a *brief* overview of the grants offered:

## Educator Grants

Focus: Based on sound scientific principles, have an environmental focus, and directly impact K-12 students

Those eligible: Fulltime classroom teachers in accredited public and non-public schools

Grant amount: Not to exceed \$1,000 for 1 teacher, \$2,000 for 2 or more teachers jointly

## University Research Grants

Focus: Post-graduate research with a focus on environmental issues

Those eligible: Louisiana university students who are working toward a Masters Degree, Ph.D., or conducting post Ph.D. research with a focus on environmental issues

Grant amount: Not to exceed \$1,000

## Professional Development Grants

Focus: Based on sound scientific principles, have an environmental focus, and directly impact Pre-Service and/or In-Service Educators

Those eligible: Non-Profit Organizations, Governmental Agencies, Non-Formal/Formal Educators, Colleges and Universities

Grant amount: Not to exceed \$2,500

2012 grant applications can be found on our website at: <http://www.wlf.louisiana.gov/grant-opportunities> or contact Venise Ortego at [vortego@wlf.la.gov](mailto:vortego@wlf.la.gov) for additional information.

## 2011 GRANT RECIPIENTS

### EDUCATOR GRANTS

Amy Zellweger  
Cynthia Steen & Mary Dantin  
Janell Simpson & Traci Bourgeois

Jeanie Bastin & Stacy Brown  
Jenny Ronquillo  
Judy Schmollinger & Hollie Fox  
Mary Beth Newchurch  
Michelle Buchanan & Ginger Mire  
Tera LaPrarie & Trevor Pool

Langston Hughes Academy Charter  
Hadnot-Hayes Elementary School  
Patrick F. Taylor Science &  
Technology Academy  
Juban Parc Elementary School  
Pontchartrain Elementary School  
Thomas Jefferson High School  
Belle Chasse Primary School  
Pineville Junior High School  
Alexandria Middle Magnet

### RESEARCH GRANTS

Laura Brannelly  
Laura Brown  
Metha Klock  
Lorelei Patrick  
Sandra Galeano  
Wesley Daniel  
Yalma Vargas-Rodriguez

Tulane University  
Louisiana State University  
Louisiana State University  
Louisiana State University  
Louisiana State University  
Louisiana State University  
Louisiana State University

### PROFESSIONAL DEVELOPMENT GRANT

Andrea Walker Greater New Orleans STEM Initiative

### SUSTAINABILITY GRANTS

Barbara Shuler Accelerated High School 1 at Schwarz  
Erin King School for Math, Science, & the Arts  
Jenny Geesey Archbishop Hannan High School  
Nancy Farley J.S. Clark Magnet School  
Sue Ellen Lyons Holy Cross School

**THANK YOU**  
**KEEP LOUISIANA BEAUTIFUL**  
for your co-sponsorship of the  
Sustainability Grants!



**CONGRATULATIONS**  
**TO ALL OF OUR GRANT RECIPIENTS!**



# Environmental Awareness Art & Language Arts Contest

The LEEC and Alcoa Foundation co-sponsored the 9th Annual Environmental Awareness Art & Language Arts Contest:

*LOUISIANA OUTDOORS: A Beautiful Experience*

THANKS to Alcoa Foundation, LEEC members, judges, and others for helping make the 9th Annual Environmental Awareness Art and Language Arts contest a HUGE SUCCESS! Over 1,300 entries were received for the 2011 contest, and because of the environmental awareness focus, many teachers took advantage and used this as a classroom learning activity.

The LEEC honored the winners on June 22, 2011 at a reception in the Governor's Mansion. The winning students' families, teachers, and principals were also in attendance, along with Alcoa Foundation representatives and LEEC members. Robert Barham, Secretary of the Louisiana Department of Wildlife and Fisheries, delivered a congratulatory message and presented the awards.

Alcoa Foundation provided funding for the contest that included cash prizes to each of the winners, as well as billboards and newspaper ads featuring their work.



**ALCOA  
FOUNDATION**

***CONGRATULATIONS TO OUR 2011 WINNERS & THEIR TEACHERS!***

## MARK YOUR CALENDAR FOR THE 2012 10<sup>TH</sup> ANNUAL ENVIRONMENTAL AWARENESS ART & LANGUAGE ARTS CONTEST!

Theme: Louisiana Waters: Protect, CONSERVE, *Enjoy!*

**Deadline: Thursday, April 16, 2012**

Contest is open to all children in Louisiana between 5-18 years. Submission forms are available: [www.wlf.louisiana.gov/eec](http://www.wlf.louisiana.gov/eec)

## 2011 CONTEST WINNERS

### ART WINNERS

#### GROUP 1 (5-7 yrs)

- 1<sup>st</sup> **Madden Gleason** Zachary Elementary
- 2<sup>nd</sup> **La'Maya Ellis** Port Allen Elementary
- 3<sup>rd</sup> **Gabrielle Bergeron** Homeschooled
- HM **Emma Roussel** Baton Rouge Center Visual & Performing Arts

#### GROUP 2 (8-10 yrs)

- 1<sup>st</sup> **Haggai Goudeau** Western Heights Elementary
- 2<sup>nd</sup> **Veronica Sturman** Homeschooled
- 3<sup>rd</sup> **Mark Ashworth** Westwood Elementary
- HM **Emma Cho** Isidore Newman School

#### GROUP 3 (11-13 yrs)

- 1<sup>st</sup> **Taylor Deville** Bayou Chicot Elementary
- 2<sup>nd</sup> **Bailey LeBlanc** Leonville Elementary
- 3<sup>rd</sup> **Emily Hart** Bishop Noland Episcopal Day School
- HM **Tyler Fair** Our Lady of The Lake School

#### GROUP 4 (14-18 yrs)

- 1<sup>st</sup> **Brittney Tillman** West Ouachita High School
- 2<sup>nd</sup> **Alyssa Parker** Benjamin Franklin High School
- 3<sup>rd</sup> **Cody Hunter** Thomas Jefferson High School
- HM **Rhiannon Miklosey** West Ouachita High School

### LANGUAGE ARTS WINNERS

#### GROUP 1 (5-7 yrs)

- 1<sup>st</sup> **Eva Rykowsky** Homeschooled
- 2<sup>nd</sup> **Owen Brouillette** Bains Elementary
- 3<sup>rd</sup> **James "Buster" Couhig** Bains Elementary
- HM **Trinity Major** Zachary Elementary

#### GROUP 2 (8-10 yrs)

- 1<sup>st</sup> **Jadeyn Bourque** Fenton Elementary
- 2<sup>nd</sup> **Allison Fountain** Bishop Noland Episcopal Day School
- 3<sup>rd</sup> **Janae D'Arensborg** Zachary Elementary
- HM **Erin Crump** Westdale Heights Academy Magnet

#### GROUP 3 (11-13 yrs)

- 1<sup>st</sup> **Tristyn Pippin** W. W. Lewis Middle School
- 2<sup>nd</sup> **Alyssa Giron** Haynes Academy for Advanced Studies
- 3<sup>rd</sup> **Andrew Beams** Haynes Academy for Advanced Studies
- HM **Kameron Clayton** Paulina Elementary

#### GROUP 4 (14-18 yrs)

- 1<sup>st</sup> **Edward White** Salmen High School
- 2<sup>nd</sup> **Sarah Bond** Mount Carmel Academy
- 3<sup>rd</sup> **Molly Baggett** DeRidder High School
- HM **Susan Egbert** DeRidder High School





# EXHIBITOR DIRECTORY

## **4-H Youth Wetlands Program**

Ashley Mullens  
awmullens@agcenter.lsu.edu

## **Audubon Aquarium of the Americas**

Meia Crisler  
scrisler@auduboninstitute.org

## **Audubon Zoo**

Monica Pasos  
mpasos@auduboninstitute.org

## **Barataria-Terrebonne National Estuary Program (BTNEP)**

Alma Robichaux  
alma@btnep.org

## **Bayou Vermilion District**

Margot Addison  
margot@bayouvermilion.org

## **Benchmark Educational Consulting Services**

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## **THANK YOU EXHIBITORS!**

*We all greatly appreciate the time, effort, information, and FREEBIES that you provide!*



**CELL PHONES & RECHARGEABLE BATTERIES at the DEQ exhibit!**



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## **MANY THANKS TO OUR PRESENTERS!**

*We could not hold the Symposium without you!*



# **THE LEEC NEEDS YOUR INPUT!**

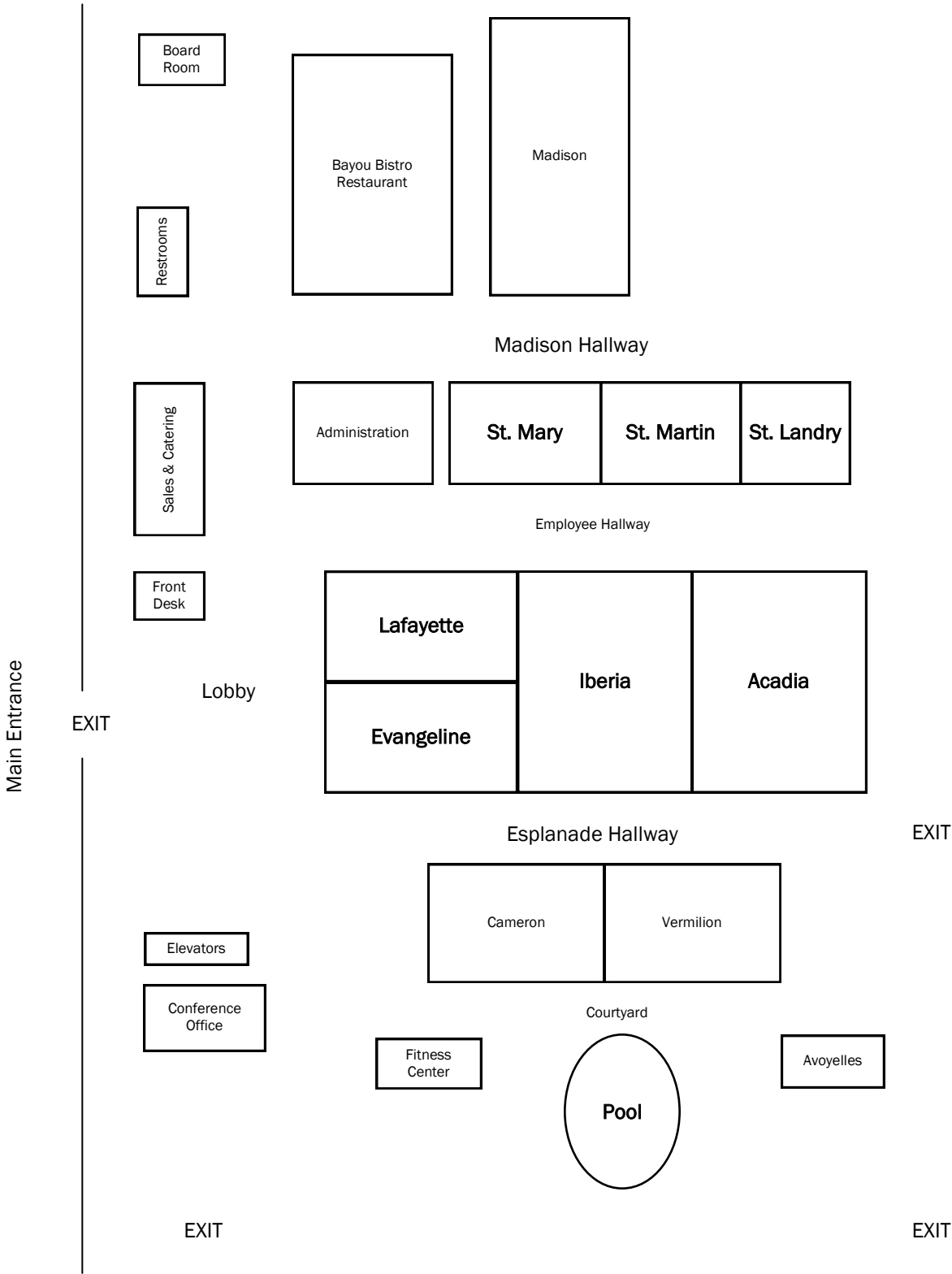
**PLEASE TURN IN YOUR EVALUATIONS AFTER EACH SESSION & BRING YOUR FINAL SYMPOSIUM EVALUATION TO THE REGISTRATION DESK!**



**NOTES:**



# Lafayette Crowne Plaza Floor Plan



# Bird's-Eye View of Concurrent Sessions — Saturday, March 10, 2012

	ST. LANDRY	EVANGELINE	LAFAYETTE	ST. MARY	ST. MARTIN
8:00 AM – 9:15 AM	Teaming with Insects  <u>Veronica Del Bianco</u> Orleans Parish 4-H	Nature Booking: Techniques for Recording Observations In Nature  <u>Amy Ouchley &amp; Blenda McHenry</u> University of Louisiana, Monroe	Meeting GLEs Outside of the Classroom  <u>Barry Guillot</u> Harry Hurst Middle School	QR Codes in the Outdoor Classroom  <u>Jenny Ronquillo</u> Pontchartrain Elementary School	Outdoor Environmental Learning Opportunities for LA Students  <u>Greg Waldron</u> LA Dept. of Environmental Quality
K-4	Hands-On	5-8	Hands-On	5-8, 9-12	Hands-On
9:15 AM–9:45 AM					
BREAK					
9:45 AM – 11:00 AM	Advantages of Environmental Playgrounds  <u>Dr. Robin McCartney &amp; Dr. Donna Dugger Wadsworth</u> University of Louisiana, Lafayette	Whooping Cranes Return to Louisiana  <u>Sara Zimorski</u> LA Dept. of Wildlife & Fisheries <u>Marie Tizzard &amp; Sue Ellen Lyons</u> Grace King HS & Holy Cross HS	A Comparison of Chemical Testing & Probeware  <u>Warren Bernard</u> Holy Cross School	Air Pollutants: Their Claim to Fame Bonus Section: RCRA- It's Solid!  <u>T. Markle Farber</u> LA Dept. of Environmental Quality	Native Fish in the Classroom & WETSHOP – Exemplary Stewardship Initiatives  <u>Angela Capello &amp; Matt Lynn Dantin</u> LA Dept. of Wildlife & Fisheries
K-4	Exemplary	5-8, 9-12	Hands-On; Lesson	9-12	Hands-On
11:00 AM–12:30 PM					
LUNCH					
KEYNOTE ADDRESS					
12:30 PM – 1:45 PM	Earthworms Are Easy  <u>Rose Butler</u> Audubon Zoo	Talking Trash: Marine Debris  <u>Dianne Lindstedt</u> LSU Sea Grant	Field-Based Geo-Spatial Education in Coastal Louisiana  <u>Heather Egger &amp; Dinah Maygarden</u> University of New Orleans	Discovering the Hidden Treasures of Louisiana  <u>Paul Nagel &amp; David Faerber</u> Northwestern State University	EE in New National Science Standards Framework  <u>Ann Wilson</u> LA Dept. of Education
K-4	Hands-On	5-8, 9-12	Hands-On	9-12	Exemplary
1:45 PM–2:15 PM					
BREAK					
VISIT THE EXHIBIT HALL					
2:15 PM – 3:30 PM	Outdoor Observations  <u>Monica Pasos</u> Audubon Zoo	Louisiana Spider Survey: Citizen Science Project for Your Students  <u>Dr. Maggie Hodge</u> LA School for Math & Science <u>Dr. Steven Gabrey</u> Northwestern State University	Explore the Earth with GeoMapApp  <u>Steve Babcock</u> LSU Laboratory School	Tethered Exploration: Using ROV Technologies in the Classroom  <u>Murt Conover</u> LUMCON	Free 10-Day Summer Field Experience in Estuarine EE in Southeast Texas  <u>Dr. Jim Westgate</u> Lamar University <u>Jennie Knapp</u> Little Cypress Jr. High
K-4	Hands-On	5-8, 9-12	Hands-On	General	General